Form 1 Page 1 Execution

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

APPLICATION FOR, AND AMENDMENTS TO APPLICATION FOR, REGISTRATION

Date filed (MM/DD/YY):

OFFICIAL USE ONLY

Page	AS A NATIONAL SECURITIES EXCHANGE OR EXEMPTION FROM REGISTRATION PURSUANT TO SECTION 5 OF THE EXCHANGE ACT				
Warning: Failure to keep this form current and to file accurate supplementary information on a timely basis, or the failure to keep accurate books and records or otherwise comply with the provisions of law applying to the conduct of the applicant would violate the federal securities laws and may result in disciplinary, administrative or criminal action					
	INTENTIONAL MISSTATEMENTS OR OMISSIONS OF FACTS MAY CONSTITUTE CRIMINAL VIOLATIONS				
	APPLICATION AMENDMENT				
1. State the n	name of the applicant: Miami International Securities Exchange, LLC				
	e applicant's primary street address (Do not use a P.O. Box): 7 Roszel Road, Suite 5-A, ceton, NJ 08540	81			
3. Provide the	e applicant's mailing address (if different): Mail Processing	17002481			
	e applicant's business telephone and facsimile number: phone: 609-897-7300; Facsimile: 609-987-2210 APR 10 2017	H			
Barb	e name, title and telephone number of a contact employee: para J. Comly, EVP, General Counsel & Corporate Secretary 897-7315 Washington DC 412				
Barb Mian 7 Ro	e name and address of counsel for the applicant: para J. Comly, EVP, General Counsel & Corporate Secretary mi International Securities Exchange, LLC paszel Road, Suite 5-A ceton, NJ 08540 e date applicant's fiscal year ends: December 31				
7. Provide the	ceton, NJ 08540 e date applicant's fiscal year ends: December 31	ッ ロ フ			
	ceton, NJ 08540 de date applicant's fiscal year ends: December 31 gal status of applicant: Corporation Sole Proprietorship Partnership Imited Liability Company Other (specify):	3			
	an a sole proprietor, indicate the date and place where applicant obtained its legal status (e.g. state where ad, place where partnership agreement was filed or where applicant entity was formed):				
(a) Date (N	MM/DD/YY): 9/10/07 (b) State/Country of formation: Delaware				
(c) Statute	under which applicant was organized: Delaware Limited Liability Company Act, 6 Del. C. 18-1d et seq.				
Securities and mail or confining tems 2 and 3 and with the contained her	The applicant consents that service of any civil action brought by, or notice of any proceeding before, the d Exchange Commission in connection with the applicant's activities may be given by registered or certified med telegram to the applicant's contact employee at the main address, or mailing address if different, given in 3. The undersigned, being first duly sworn, deposes and says that he/she has executed this form on behalf of, authority of, said applicant. The undersigned and applicant represent that the information and statements rein, including exhibits, schedules, or other documents attached hereto, and other information filed herewith, all made a part hereof, are current, true, and complete.				
Date: April 6	Barbara J. Comly EVP, General Counsel & Corporate Secretary				
Jane Post	and sworn before me this 6 th day of April, 2017.				
	of the State of New Jersey on Expires October 27, 2019				
	This page must always be completed in full with original manual signature and noterization				

Affix notary stamp or seal where applicable.

EXHIBIT M

Exhibit Request:

Provide an alphabetical list of all members, subscribers or other users, including the following information:

- 1. Name:
- 2. Date of election to membership or acceptance as a member, subscriber or other user;
- 3. Principal business address and telephone number;
- 4. If member, subscriber or other user is an individual, the name of the entity with which such individual is associated and the relationship of such individual to the entity (e.g. partner, officer, director, employee, etc.);
- 5. Describe the type of activities primarily engaged in by the member, subscriber, or other user (e.g. floor broker, specialist, odd lot dealer, other market maker, proprietary trader, non-broker dealer, inactive or other functions). A person shall be "primarily engaged" in an activity or function for purposes of this item when that activity or function is the one in which that person is engaged for the majority of their time. When more than one type of person at an entity engages in any of the six types of activities or functions enumerated in this item, identify each type (e.g. proprietary trader, Registered Competitive Trader and Registered Competitive Market Maker) and state the number of participants, subscribers, or other users in each; and
- 6. The class of membership, participation or subscription or other access.

Response:

Attached is a list of the members of the Exchange as of April 5, 2017, including the information set forth in items 1-6 above.



MEMBER FIRMS

Total Firms 46

As of April 5, 2017

ABN AMRO CLEARING CHICAGO LLC	Approval Date: 3/7/2013
175 West Jackson Blvd., Ste. 400	MIAX Membership Activities:
Chicago IL 60604 Tele #: (312) 604-8000	ELECTRONIC EXCH. MEMBER: CLEARANCE
APEX CLEARING CORPORATION	Approval Date: 11/18/2015
350 N. St. Paul, Suite 1300	MIAX Membership Activities:
Dallas TX 75201 Tele #: (214) 765-1100	ELECTRONIC EXCH. MEMBER: CLEARANCE
BARCLAYS CAPITAL INC.	Approval Date: 12/7/2012
745 Seventh Avenue	MIAX Membership Activities:
New York NY 10019 Tele #: (212) 526-7000	ALL MEMBERSHIPS
BMO CAPITAL MARKETS CORP.	Approval Date: 10/10/2014
3 Times Square, 27th Floor	MIAX Membership Activities:
New York NY 10036 Tele #: (212) 885-4000	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
BNP PARIBAS SECURITIES CORP.	Approval Date: 4/21/2014
787 Seventh Avenue	MIAX Membership Activities:
New York NY 10019 Tele #: (212) 841-2000	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
CITADEL SECURITIES LLC	Approval Date: 12/7/2012
131 South Dearborn Street	MIAX Membership Activities:
Chicago IL 60603 Tele #: (312) 395-2100	PRIMARY LEAD & LEAD MARKET MAKER/EEM: ORDER FLOW
CITI ORDER ROUTING AND EXECUTION, LLC	Approval Date: 12/7/2012
11 Ewall Street	MIAX Membership Activities:
Mt. Pleasant SC 29464 Tele #: (843) 789-2080	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
COMPAGE PROFESSIONAL OFFICE AND	10/7/2012
COMPASS PROFESSIONAL SERVICES, LLC	Approval Date: 12/7/2012
111 W. Jackson Blvd., 20th Fl.	Approval Date: 12///2012 MIAX Membership Activities:
	• •
111 W. Jackson Blvd., 20th Fl.	MIAX Membership Activities:
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities:
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities:
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities:
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000 CUTLER GROUP, LP	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000 CUTLER GROUP, LP 101 Montgomery Street, Ste. 700	MIAX Membership Activities: ELECTRONIC EXCH MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities:
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000 CUTLER GROUP, LP 101 Montgomery Street, Ste. 700 San Francisco CA 94104 Tele #: (415) 293-3956 DASH FINANCIAL TECHNOLOGIES LLC 910 Van Buren Street, Ste. 400	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW Approval Date: 12/7/2012 MIAX Membership Activities:
111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000 CUTLER GROUP, LP 101 Montgomery Street, Ste. 700 San Francisco CA 94104 Tele #: (415) 293-3956 DASH FINANCIAL TECHNOLOGIES LLC 910 Van Buren Street, Ste. 400 Chicago IL 60607 Tele #: (847) 550-1730	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW Approval Date: 12/7/2012
Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW Approval Date: 12/7/2012 MIAX Membership Activities:
Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW Approval Date: 12/7/2013 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/25/2013 MIAX Membership Activities:
Tele #: (312) 692-5000 Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000 CUTLER GROUP, LP 101 Montgomery Street, Ste. 700 San Francisco CA 94104 Tele #: (415) 293-3956 DASH FINANCIAL TECHNOLOGIES LLC 910 Van Buren Street, Ste. 400 Chicago IL 60607 Tele #: (847) 550-1730 DEUTSCHE BANK SECURITIES INC. 60 Wall Street New York NY 10005 Tele #: (212) 250-2500 Tele #: (212) 250-250	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/25/2013
Tele #: (312) 692-5000 Chicago	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW Approval Date: 12/7/2013 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/25/2013 MIAX Membership Activities:
Tele #: (312) 692-5000 Chicago IL 60604 Tele #: (312) 692-5000 CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500 CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000 CUTLER GROUP, LP 101 Montgomery Street, Ste. 700 San Francisco CA 94104 Tele #: (415) 293-3956 DASH FINANCIAL TECHNOLOGIES LLC 910 Van Buren Street, Ste. 400 Chicago IL 60607 Tele #: (847) 550-1730 DEUTSCHE BANK SECURITIES INC. 60 Wall Street New York NY 10005 Tele #: (212) 250-2500 Tele #: (212) 250-250	MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/1/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 11/2/2015 MIAX Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/25/2013 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE

401 City Avenue, Ste. 200 Bala Cymwyd PA 19004 Tele #: (610) 617-2600 BALCYmwyd PA 19004 Tele #: (610) 617-2600 BALCYmwyd PA 19004 Tele #: (212) 902-1000 BALCYmwyd PA 19004 Tele #: (212) 902-1000 BALCYmwyd PA 19022 Tele #: (212) 902-1000 BALCYmwyd PA 19282 Tele #: (212) 902-1000 BALCYmwyd PA 19292 Tele #: (212) 310-9500 BALCYmwyd PA 19292 Tele #: (212) 310-9500 BALCYmwyd PA 19292 Tele #: (212) 310-9500 BALCYmwyd PA 19292 Tele #: (212) 903-1012 BALCYmwyd PA 19292 Tele #: (212) 803-1014 B	GLOBAL EXECUT	ION BROKERS	S, LP	Approval Date: 12/7/2012
Relia Cymwyd			,	••
GOLDMAN SACHS EXECUTION & CLEARING, L.P. 200 West Street New York NY 10282 Tele #: (212) 902-1000 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE GOLDMAN, SACHS & CO. 200 West Street New York NY 10282 Tele #: (212) 902-1000 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/15/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/15/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/15/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/15/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 2/8/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW Approval Date: 2/8/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW Approval Date: 3/29/2017 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW Approval Date: 3/29/2017 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 3/27/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 3/27/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 3/27/2013 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/27/2012 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/27/2012 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/27/2012 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/27/2012 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/27/2012 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/27/2012 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 1/27/2012 MIAX Membership Activities: LECTRONIC EXCH. MEMBER: ORDER FLOW/	•		Tele #: (610) 617-2600	•
MIAN Membership Activities: New York Ny 10282				Approval Date: 12/7/2012
New York NY 10282 Tele #: (212) 902-1000 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE			,	
200 West Street New York Ny 10282 Tele #: (212) 902-1000 ALL MEMBERSHIPS	New York	NY 10282	Tele #: (212) 902-1000	
New York NY 10282 Tele #: (212) 902-1000 ALL MEMBERSHIPS	GOLDMAN, SACH	S & CO.		Approval Date: 1/15/2013
Approval Date: 10/20/2014 MIAX Membership Activities: MIAX Membership Activities: 2/8/2013 MIAX Membership Activities: 2/8/2014 MIAX Membership Activities: 2/8/2013 MIAX Membership Activities: 2/8/2013 MIAX Membership Activities: 2/8/2013 MIAX Membership Activities: 2/8/2013 MIAX Membership Activities: 2/8/2012 MIAX Membership	200 West Street			MIAX Membership Activities:
### Add South La Salle, Sie. 3232 Chicago IL 60605 Tele #: (312) 347-8864 ### ALL MARKET MAKER CLASSES/JEM ORDER FLOW ### Approval Date: 2/8/2013 ### MIAX Membership Activities: ### Approval Date: 3/29/2017 ### MIAX Membership Activities: ### BLECTRONIC EXCH MEMBER: CIELEARANCE ### Approval Date: 3/29/2017 ### MIAX Membership Activities: ### Approval Date: 3/29/2013 ### MIAX Membership Activities: ### Approval Date: 3/29/2013 ### MIAX Membership Activities: ### Approval Date: 3/29/2013 ### MIAX Membership Activities: ### Approval Date: 1/29/2013 ### MIAX Membership Activities: ### Approval Date: 1/29/2012	New York	NY 10282	Tele #: (212) 902-1000	ALL MEMBERSHIPS
Chicago	GROUP ONE TRAI	DING LP		Approval Date: 10/20/2014
Approval Date: 2/8/2013 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE Approval Date: 3/29/2017 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE Approval Date: 3/29/2017 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE Approval Date: 3/29/2017 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CREARANCE Approval Date: 3/29/2017 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CREARANCE Approval Date: 3/29/2014 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CREARANCE Approval Date: 3/27/2013 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW ELECTRONIC EXCH. MEMBER: ORDER FLOW MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW ELECTRONIC EXCH. MEMBER: O	440 South La Sall	le, Ste. 3232		MIAX Membership Activities:
Table Max Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE	Chicago	IL 60605	Tele #: (312) 347-8864	ALL MARKET MAKER CLASSES/EEM: ORDER FLOW
Dallas	HILLTOP SECURI	TIES INC.		Approval Date: 2/8/2013
### FINANCIAL LLC 3 2 Old Slip, 30th Floor New York NY 10005 Tele #: (212) 293-1444 ### MIAX Membership Activities:	1201 Elm Street,	Ste. 3500		MIAX Membership Activities:
32 Old Slip, 30th Floor New York NY 10005 Tele #: (212) 293-1444 IMC-CHICAGO, LLC D/B/A IMC FINANCIAL MARKETS 233 South Wacker Drive, #4300 Chicago IL 60606 Tele #: (312) 244-3300 Approval Date: 8. 26/2014 MIAX Membership Activities: ALL MARKET MAKER CLASSES INSTINET, LLC 309 West 49th Street New York NY 10019 Tele #: (212) 310-9500 Flekwick Plaza, 2nd Fl. Greenwich CT 06830 Tele #: (203) 618-5710 GD ERIVATIVES LLC 601 S. LaSalle, Ste. 300 Chicago IL 60605 Tele #: (312) 935-0125 Approval Date: 12/7/2012 MIAX Membership Activities: BLECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: BLECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MEMBER: ORDER FLOW/CL	Dallas	TX 75270	Tele #: (214) 859-1800	ELECTRONIC EXCH. MEMBER: CLEARANCE
New York NY 10005 Tele #: (212) 293-1444 ELECTRONIC EXCH MEMBER: ORDER FLOW	HRT FINANCIAL I	LC		Approval Date: 3/29/2017
New York NY 10005 Tele #: (212) 293-1444 ELECTRONIC EXCH MEMBER: ORDER FLOW	32 Old Slip, 30th	Floor		MIAX Membership Activities:
233 South Wacker Drive, #4300 Chicago IL 60606 Tele #: (312) 244-3300 ALL MARKET MAKER CLASSES INSTINET, LLC 309 West 49th Street Street	New York	NY 10005	Tele #: (212) 293-1444	
MIAX Membership Activities: Approval Date: 3.1/27/2013	IMC-CHICAGO, LI	LC D/B/A IMC I	FINANCIAL MARKETS	Approval Date: 8/26/2014
Chicago				
NSTINET, LLC 309 West 49th Street New York NY 10019 Tele #: (212) 310-9500 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE			Tele #: (312) 244-3300	•
New York NY 10019 Tele #: (212) 310-9500 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE				Approval Date: 3/27/2013
Approval Date: 12/7/2012	309 West 49th Str	reet		MIAX Membership Activities:
Miax Membership Activities: Greenwich	New York	NY 10019	Tele #: (212) 310-9500	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
Tele #: (203) 618-5710 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE	INTERACTIVE BR	OKERS LLC		Approval Date: 12/7/2012
TIG DERIVATIVES LLC	One Pickwick Pla	za, 2nd Fl.		MIAX Membership Activities:
MIAX Membership Activities: Chicago IL 60605 Tele #: (312) 935-0125 ELECTRONIC EXCH. MEMBER: ORDER FLOW J.P. MORGAN SECURITIES LLC Approval Date: 12/7/2012 383 Madison Avenue New York NY 10179 Tele #: (201) 595-8471 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE JEFFERIES LLC Approval Date: 9/15/2014 520 Madison Avenue New York NY 10022 Tele #: (212) 284-2300 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE KCG AMERICAS LLC Approval Date: 12/7/2012 300 Vesey Street Approval Date: 12/7/2012 301 Max Membership Activities: Approval Date: 12/7/2012 625 Broadway, 12th Floor New York NY 10012 Tele #: (212) 824-5000 ELECTRONIC EXCH. MEMBER: ORDER FLOW MERRILL LYNCH PROFESSIONAL CLEARING CORP. Approval Date: 12/7/2012 One Bryant Park 6th Fl. MIAX Membership Activities: New York NY 10036 Tele #: (646) 743-1295 ELECTRONIC EXCH. MEMBER: CLEARANCE MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT Approval Date: 12/7/2012 One Bryant Park NY 10036 Tele #: (212) 449-1000 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. M	Greenwich	CT 06830	Tele #: (203) 618-5710	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
Chicago	ITG DERIVATIVES	SLLC		Approval Date: 12/7/2012
J.P. MORGAN SECURITIES LLC	601 S. LaSalle, St	te. 300		MIAX Membership Activities:
Miax Membership Activities: New York NY 10179 Tele #: (201) 595-8471 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE	Chicago	IL 60605	Tele #: (312) 935-0125	ELECTRONIC EXCH. MEMBER: ORDER FLOW
New York NY 10179 Tele #: (201) 595-8471 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE	J.P. MORGAN SEC	CURITIES LLC		Approval Date: 12/7/2012
Approval Date: 9/15/2014 520 Madison Avalue National Nat	383 Madison Ave	nue		MIAX Membership Activities:
520 Madison Avenue New York NY 10022 Tele #: (212) 284-2300 HAX Membership Activities: ELECTRONIC EXCH MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: ALL MEMBERSHIPS LIME BROKERAGE LLC 625 Broadway, 12th Floor New York NY 10012 Tele #: (212) 824-5000 MAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities:	New York	NY 10179	Tele #: (201) 595-8471	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
New York NY 10022 Tele #: (212) 284-2300 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE	JEFFERIES LLC			Approval Date: 9/15/2014
Approval Date: 12/7/2012 300 Vesey Street New York NY 10282 Tele #: (201) 386-2891 ALL MEMBERSHIPS	520 Madison Ave	nue		<u>.</u>
300 Vesey Street New York NY 10282 Tele #: (201) 386-2891 ALL MEMBERSHIPS LIME BROKERAGE LLC 625 Broadway, 12th Floor New York NY 10012 Tele #: (212) 824-5000 MERRILL LYNCH PROFESSIONAL CLEARING CORP. One Bryant Park, 6th Fl. New York NY 10036 Tele #: (646) 743-1295 MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE MIAX Membership Activities: Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: Approval Date: 12/7/2012 MIAX Membership Activities: MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 MIAX Membership Activities:	New York	NY 10022	Tele #: (212) 284-2300	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
New York NY 10282 Tele #: (201) 386-2891 ALL MEMBERSHIPS LIME BROKERAGE LLC 625 Broadway, 12th Floor New York NY 10012 Tele #: (212) 824-5000 ELECTRONIC EXCH. MEMBER: ORDER FLOW MERRILL LYNCH PROFESSIONAL CLEARING CORP. Approval Date: 12/7/2012 One Bryant Park, 6th Fl. New York NY 10036 Tele #: (646) 743-1295 ELECTRONIC EXCH. MEMBER: CLEARANCE MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 MIAX Membership Activities:	KCG AMERICAS L	LC		Approval Date: 12/7/2012
LIME BROKERAGE LLC 625 Broadway, 12th Floor New York NY 10012 Tele #: (212) 824-5000 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW MERRILL LYNCH PROFESSIONAL CLEARING CORP. One Bryant Park, 6th Fl. New York NY 10036 Tele #: (646) 743-1295 MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 Approval Date: 12/7/2012 MIAX Membership Activities:	300 Vesey Street			•
625 Broadway, 12th Floor New York NY 10012 Tele #: (212) 824-5000 ELECTRONIC EXCH. MEMBER: ORDER FLOW MERRILL LYNCH PROFESSIONAL CLEARING CORP. One Bryant Park, 6th Fl. New York NY 10036 Tele #: (646) 743-1295 ELECTRONIC EXCH. MEMBER: CLEARANCE MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 ELECTRONIC EXCH. MEMBER: CLEARANCE MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 MIAX Membership Activities: MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 MIAX Membership Activities:	New York	NY 10282	Tele #: (201) 386-2891	ALL MEMBERSHIPS
New York NY 10012 Tele #: (212) 824-5000 ELECTRONIC EXCH MEMBER: ORDER FLOW MERRILL LYNCH PROFESSIONAL CLEARING CORP. Approval Date: 12/7/2012 One Bryant Park, 6th Fl. MIAX Membership Activities: New York NY 10036 Tele #: (646) 743-1295 ELECTRONIC EXCH. MEMBER: CLEARANCE MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 Approval Date: 12/7/2012 MIAX Membership Activities: Approval Date: 12/7/2012 MIAX Membership Activities:	LIME BROKERAG	E LLC		Approval Date: 12/7/2012
MERRILL LYNCH PROFESSIONAL CLEARING CORP. One Bryant Park, 6th Fl. New York NY 10036 Tele #: (646) 743-1295 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE Approval Date: 12/7/2012 Approval Date: 12/7/2012 MIAX Membership Activities:	625 Broadway, 12	2th Floor		
One Bryant Park, 6th Fl. New York NY 10036 Tele #: (646) 743-1295 MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 MIAX Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE MIAX Membership Activities: MIAX Membership Activities: Approval Date: 12/7/2012 Approval Date: 12/7/2012 Approval Date: 12/7/2012 MIAX Membership Activities:	New York	NY 10012	Tele #: (212) 824-5000	ELECTRONIC EXCH. MEMBER: ORDER FLOW
New York NY 10036 Tele #: (646) 743-1295 ELECTRONIC EXCH. MEMBER: CLEARANCE MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 ELECTRONIC EXCH. MEMBER: CLEARANCE MORGAN STANLEY & CO. LLC 1585 Broadway ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MIAX Membership Activities:	MERRILL LYNCH	PROFESSIONA	AL CLEARING CORP.	Approval Date: 12/7/2012
MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORAT One Bryant Park New York NY 10036 Tele #: (212) 449-1000 MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 Approval Date: 12/7/2012 Approval Date: 12/7/2012 MIAX Membership Activities:	One Bryant Park,	6th Fl.		MIAX Membership Activities:
One Bryant Park New York NY 10036 Tele #: (212) 449-1000 MORGAN STANLEY & CO. LLC 1585 Broadway MIAX Membership Activities: MIAX Membership Activities: Approval Date: 12/7/2012 MIAX Membership Activities:	New York	NY 10036	Tele #: (646) 743-1295	ELECTRONIC EXCH. MEMBER: CLEARANCE
New York NY 10036 Tele #: (212) 449-1000 ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE MORGAN STANLEY & CO. LLC 1585 Broadway Alax Membership Activities:	MERRILL LYNCH	, PIERCE, FENI	NER & SMITH INCORPORAT	Approval Date: 12/7/2012
MORGAN STANLEY & CO. LLC Approval Date: 12/7/2012 1585 Broadway MIAX Membership Activities:	One Bryant Park			<u>-</u>
1585 Broadway MIAX Membership Activities:	New York	NY 10036	Tele #: (212) 449-1000	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
·	MORGAN STANLE	EY & CO. LLC		Approval Date: 12/7/2012
New York NY 10036 Tele #: (212) 761-4000 ALL MEMBERSHIPS	1585 Broadway			MIAX Membership Activities:
	New York	NY 10036	Tele #: (212) 761-4000	ALL MEMBERSHIPS

OPTIVER US LLC		Approval Date: 1/27/2015
130 E. Randolph Street, Ste. 1300		MIAX Membership Activities:
Chicago IL 60601	Tele #: (312) 821-9500	REGULAR MARKET MAKER
PEAK6 CAPITAL MANAGEMENT LLC		Approval Date: 7/22/2015
141 W. Jackson Blvd., Ste. 500		MIAX Membership Activities:
Chicago 1L 60604	Tele #: (312) 444-8700	ELECTRONIC EXCH. MEMBER: ORDER FLOW
PERSHING LLC		Approval Date: 3/12/2013
1 Pershing Plaza, 10th Fl.		MIAX Membership Activities:
Jersey City NJ 07399	Tele #: (201) 413-2000	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
QUANTLAB SECURITIES, LP		Approval Date: 4/7/2015
Three Greenway Plaza		MIAX Membership Activities:
Houston TX 77046	Tele #: (713) 333-5440	ELECTRONIC EXCH. MEMBER: ORDER FLOW
SIMPLEX TRADING, LLC		Approval Date: 9/20/2013
230 So. LaSalle St., Ste. 4-100		MIAX Membership Activities:
Chicago IL 60604	Tele #: (312) 360-2440	ELECTRONIC EXCH. MEMBER: ORDER FLOW
SUSQUEHANNA INVESTMENT GROUP		Approval Date: 11/23/2016
401 City Avenue, Ste. 201		MIAX Membership Activities:
Bala Cynwyd PA 19004	Tele #: (610) 617-2600	REGULAR MARKET MAKER
SUSQUEHANNA SECURITIES		Approval Date: 12/7/2012
401 City Avenue, Ste. 220		MIAX Membership Activities:
Bala Cynwyd PA 19004	Tele #: (610) 617-2600	PRIMARY LEAD & LEAD MARKET MAKER
TIMBER HILL LLC		Approval Date: 12/7/2012
One Pickwick Plaza, Ste. 200		MIAX Membership Activities:
Greenwich CT 06830	Tele #: (203) 618-5800	ALL MARKET MAKER CLASSES/EEM: CLEARANCE
UBS SECURITIES LLC		Approval Date: 12/7/2012
1285 Avenue of the Americas		MIAX Membership Activities:
New York NY 10019	Tele #: (203) 719-3000	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
VOLANT LIQUIDITY, LLC		Approval Date: 5/31/2013
250 Vesey Street, Ste. 2601		MIAX Membership Activities:
New York NY 10281	Tele #: (646) 484-3000	ALL MARKET MAKER CLASSES/EEM: ORDER FLOW
WALLEYE TRADING LLC		Approval Date: 5/13/2015
2800 Niagara Lane North		MIAX Membership Activities:
Plymouth MN 55447	Tele #: (952) 345-6611	REGULAR MARKET MAKER/EEM: ORDER FLOW
WEDBUSH SECURITIES INC.		Approval Date: 12/7/2012
1000 Wilshire Boulevard, Suite 900		MIAX Membership Activities:
Los Angeles CA 90017	Tele #: (213) 688-8090	ELECTRONIC EXCH. MEMBER: CLEARANCE
WELLS FARGO SECURITIES, LLC		Approval Date: 4/11/2014
550 South Tryon Street, 6th Floor		MIAX Membership Activities:
Charlotte NC 28202	Tele #: (704) 715-6133	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
WOLVERINE EXECUTION SERVICES, LI	LC	Approval Date: 12/7/2012
175 W. Jackson Blvd., Ste. 200		MIAX Membership Activities:
Chicago IL 60604	Tele #: (312) 884-4000	ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
WOLVERINE TRADING, LLC		Approval Date: 12/7/2012
175 W. Jackson Blvd., Ste. 200		MIAX Membership Activities:
Chicago IL 60604	Tele #: (312) 884-3490	PRIMARY LEAD & LEAD MARKET MAKER